

Guido Ferretti

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

2,261
citations

23
h-index

46
g-index

85
ext. papers

2,504
ext. citations

3.1
avg. IF

4.73
L-index

#	Paper	IF	Citations
81	A century of exercise physiology: key concepts on coupling respiratory oxygen flow to muscle energy demand during exercise.. <i>European Journal of Applied Physiology</i> , 2022 , 1	3.4	3
80	A closed-loop approach to the study of the baroreflex dynamics during posture changes at rest and at exercise in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 , 321, R960-R968	3.2	1
79	A single session of moderate intensity exercise influences memory, endocannabinoids and brain derived neurotrophic factor levels in men. <i>Scientific Reports</i> , 2021 , 11, 14371	4.9	2
78	Baroreflex responses during dry resting and exercise apnoeas in air and pure oxygen. <i>European Journal of Applied Physiology</i> , 2021 , 121, 539-547	3.4	5
77	Obstructive and Central Sleep Apnea in First Ever Ischemic Stroke are Associated with Different Time Course and Autonomic Activation. <i>Nature and Science of Sleep</i> , 2021 , 13, 1167-1178	3.6	2
76	A reappraisal of the strength-duration test to assess neuromuscular impairment of critically ill patients. <i>Journal of Electromyography and Kinesiology</i> , 2021 , 59, 102555	2.5	
75	Vagal blockade suppresses the phase I heart rate response but not the phase I cardiac output response at exercise onset in humans. <i>European Journal of Applied Physiology</i> , 2021 , 121, 3173-3187	3.4	3
74	A regression method for the power-duration relationship when both variables are subject to error. <i>European Journal of Applied Physiology</i> , 2020 , 120, 765-770	3.4	3
73	Effect of Lower Body Negative Pressure on Phase I Cardiovascular Responses at Exercise Onset. <i>International Journal of Sports Medicine</i> , 2020 , 41, 209-218	3.6	8
72	The current use of wearable sensors to enhance safety and performance in breath-hold diving: A systematic review. <i>Diving and Hyperbaric Medicine</i> , 2020 , 50, 54-65	1	9
71	Breath holding as an example of extreme hypoventilation: experimental testing of a new model describing alveolar gas pathways. <i>Experimental Physiology</i> , 2020 , 105, 2216-2225	2.4	4
70	Effect of acute physical exercise on motor sequence memory. <i>Scientific Reports</i> , 2020 , 10, 15322	4.9	7
69	Experimental validation of the 3-parameter critical power model in cycling. <i>European Journal of Applied Physiology</i> , 2019 , 119, 941-949	3.4	6
68	Gas exchange and cardiovascular responses during breath-holding in divers. <i>Respiratory Physiology and Neurobiology</i> , 2019 , 267, 27-34	2.8	6
67	Heart rate variability and baroreflex sensitivity in bilateral lung transplant recipients. <i>Clinical Physiology and Functional Imaging</i> , 2018 , 38, 872-880	2.4	4
66	TESTING THE VAGAL WITHDRAWAL HYPOTHESIS DURING LIGHT EXERCISE UNDER AUTONOMIC BLOCKADE: A HEART RATE VARIABILITY STUDY. <i>Journal of Applied Physiology</i> , 2018 ,	3.7	13
65	Cardiovascular responses to dry apnoeas at exercise in air and in pure oxygen. <i>Respiratory Physiology and Neurobiology</i> , 2018 , 255, 17-21	2.8	8

64	Dynamics of the RR-interval versus blood pressure relationship at exercise onset in humans. <i>European Journal of Applied Physiology</i> , 2017 , 117, 619-630	3.4	10
63	The physiology of submaximal exercise: The steady state concept. <i>Respiratory Physiology and Neurobiology</i> , 2017 , 246, 76-85	2.8	22
62	Effect of cerebral vasomotion during physical exercise on associative memory, a near-infrared spectroscopy study. <i>Neurophotonics</i> , 2017 , 4, 041404	3.9	14
61	Effects of recovery interval duration on the parameters of the critical power model for incremental exercise. <i>European Journal of Applied Physiology</i> , 2017 , 117, 1859-1867	3.4	7
60	Alveolar gas composition during maximal and interrupted apnoeas in ambient air and pure oxygen. <i>Respiratory Physiology and Neurobiology</i> , 2017 , 235, 45-51	2.8	11
59	Kinetics of Cardiac Output at the Onset of Exercise in Precapillary Pulmonary Hypertension. <i>BioMed Research International</i> , 2016 , 2016, 6050193	3	5
58	Introductory and Historical Remarks 2015 , 1-27		
57	Aerobic Metabolism and the Steady-State Concept 2015 , 29-64		
56	Supramaximal Exercise 2015 , 157-180		0
55	Effects of gravitational acceleration on cardiovascular autonomic control in resting humans. <i>European Journal of Applied Physiology</i> , 2015 , 115, 1417-27	3.4	4
54	Cardiovascular responses to dry resting apnoeas in elite divers while breathing pure oxygen. <i>Respiratory Physiology and Neurobiology</i> , 2015 , 219, 1-8	2.8	17
53	Non-Invasive Determination of Cardiac Output in Pre-Capillary Pulmonary Hypertension. <i>PLoS ONE</i> , 2015 , 10, e0134221	3.7	10
52	Maximal Oxygen Consumption 2015 , 97-135		
51	The effects of negative work on the maximal instantaneous muscular power of humans during vertical jumps. <i>Sport Sciences for Health</i> , 2015 , 11, 243-249	1.3	
50	A beat-by-beat analysis of cardiovascular responses to dry resting and exercise apnoeas in elite divers. <i>European Journal of Applied Physiology</i> , 2015 , 115, 119-28	3.4	19
49	The QED2 diagram: an analytical interpretation of oxygen transport in arterial blood during exercise in humans. <i>Respiratory Physiology and Neurobiology</i> , 2014 , 193, 55-61	2.8	9
48	Maximal oxygen consumption in healthy humans: theories and facts. <i>European Journal of Applied Physiology</i> , 2014 , 114, 2007-36	3.4	41
47	A new interpolation-free procedure for breath-by-breath analysis of oxygen uptake in exercise transients. <i>European Journal of Applied Physiology</i> , 2014 , 114, 1983-94	3.4	9

46	Cardiac output, O ₂ delivery and VO ₂ kinetics during step exercise in acute normobaric hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2013 , 186, 206-13	2.8	10
45	Cardiovascular re-adjustments and baroreflex response during clinical reambulation procedure at the end of 35-day bed rest in humans. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013 , 38, 673-80	3	15
44	Effects of step duration in incremental ramp protocols on peak power and maximal oxygen consumption. <i>European Journal of Applied Physiology</i> , 2013 , 113, 2647-53	3.4	41
43	Energetics of running in top-level marathon runners from Kenya. <i>European Journal of Applied Physiology</i> , 2012 , 112, 3797-806	3.4	61
42	Lung volumes of extreme breath-hold divers. <i>Sport Sciences for Health</i> , 2012 , 7, 55-59	1.3	12
41	An analysis of performance in human locomotion. <i>European Journal of Applied Physiology</i> , 2011 , 111, 391-401	3.4	16
40	Effects of acceleration in the G _z axis on human cardiopulmonary responses to exercise. <i>European Journal of Applied Physiology</i> , 2011 , 111, 2907-17	3.4	11
39	Of intermittent hypoxia and doping. <i>European Journal of Applied Physiology</i> , 2010 , 108, 413-4	3.4	1
38	Respiratory muscle training and maximum aerobic power in hypoxia. <i>European Journal of Applied Physiology</i> , 2010 , 110, 219-20	3.4	4
37	Cardiovascular time courses during prolonged immersed static apnoea. <i>European Journal of Applied Physiology</i> , 2010 , 110, 277-83	3.4	23
36	Effect of respiratory muscle training on maximum aerobic power in normoxia and hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 170, 268-72	2.8	20
35	Determinants of oxygen consumption during exercise on cycle ergometer: the effects of gravity acceleration. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 171, 128-34	2.8	20
34	Cardiovascular determinants of maximal oxygen consumption in upright and supine posture at the end of prolonged bed rest in humans. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 172, 53-62	2.8	26
33	Assessment of respiratory muscle training effects. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 173, 115-117	2.8	1
32	Maximal O ₂ consumption: Effects of gravity withdrawal and resumption. <i>Respiratory Physiology and Neurobiology</i> , 2009 , 169 Suppl 1, S50-4	2.8	11
31	Prolonged head down bed rest-induced inactivity impairs tonic autonomic regulation while sparing oscillatory cardiovascular rhythms in healthy humans. <i>Journal of Hypertension</i> , 2009 , 27, 551-61	1.9	21
30	Phase I dynamics of cardiac output, systemic O ₂ delivery, and lung O ₂ uptake at exercise onset in men in acute normobaric hypoxia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 295, R624-32	3.2	29
29	Heart rate and blood pressure time courses during prolonged dry apnoea in breath-hold divers. <i>European Journal of Applied Physiology</i> , 2008 , 104, 1-7	3.4	31

28	Simultaneous determination of the kinetics of cardiac output, systemic O ₂ delivery, and lung O ₂ uptake at exercise onset in men. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 290, R1071-9	3.2	58
27	The effects of beta1-adrenergic blockade on cardiovascular oxygen flow in normoxic and hypoxic humans at exercise. <i>European Journal of Applied Physiology</i> , 2005 , 95, 250-9	3.4	9
26	Calf venous volume during stand-test after a 90-day bed-rest study with or without exercise countermeasure. <i>Journal of Physiology</i> , 2004 , 561, 611-22	3.9	23
25	Does resistance exercise prevent body fluid changes after a 90-day bed rest?. <i>European Journal of Applied Physiology</i> , 2004 , 92, 555-64	3.4	20
24	Correction of cardiac output obtained by Modelflow from finger pulse pressure profiles with a respiratory method in humans. <i>Clinical Science</i> , 2004 , 106, 371-6	6.5	70
23	Cardiac output by Modelflow method from intra-arterial and fingertip pulse pressure profiles. <i>Clinical Science</i> , 2004 , 106, 365-9	6.5	58
22	Limiting factors to oxygen transport on Mount Everest 30 years after: a critique of Paolo Cerretelli's contribution to the study of altitude physiology. <i>European Journal of Applied Physiology</i> , 2003 , 90, 344-50	3.4	24
21	Diversity in and adaptation to breath-hold diving in humans. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2003 , 136, 205-13	2.6	49
20	Age-related heart rate response to exercise in heart transplant recipients. Functional significance. <i>Pflugers Archiv European Journal of Physiology</i> , 2002 , 443, 698-706	4.6	26
19	The heart rate response to exercise and circulating catecholamines in heart transplant recipients. <i>Pflugers Archiv European Journal of Physiology</i> , 2002 , 443, 370-6	4.6	25
18	Energy cost of walking and running at extreme uphill and downhill slopes. <i>Journal of Applied Physiology</i> , 2002 , 93, 1039-46	3.7	365
17	Extreme human breath-hold diving. <i>European Journal of Applied Physiology</i> , 2001 , 84, 254-71	3.4	118
16	Oxygen delivery and oxygen return in humans exercising in acute normobaric hypoxia. <i>Pflugers Archiv European Journal of Physiology</i> , 2001 , 442, 443-50	4.6	13
15	Maximal instantaneous muscular power after prolonged bed rest in humans. <i>Journal of Applied Physiology</i> , 2001 , 90, 431-5	3.7	48
14	Maximum anaerobic performance of childhood-onset GH-deficient adults. <i>Growth Hormone and IGF Research</i> , 1999 , 9, 228-35	2	19
13	The energetics of anaerobic muscle metabolism: a reappraisal of older and recent concepts. <i>Respiration Physiology</i> , 1999 , 118, 103-15		242
12	Effects of prolonged bed rest on cardiovascular oxygen transport during submaximal exercise in humans. <i>European Journal of Applied Physiology</i> , 1998 , 78, 398-402	3.4	23
11	Exercise training in chronic hypoxia has no effect on ventilatory muscle function in humans. <i>Respiration Physiology</i> , 1998 , 112, 195-202		5

10	Cardiovascular changes during deep breath-hold dives in a pressure chamber. <i>Journal of Applied Physiology</i> , 1997 , 83, 1282-90	3.7	82
9	The effects of breathing He-O ₂ mixtures on maximal oxygen consumption in normoxic and hypoxic men. <i>Journal of Physiology</i> , 1997 , 503 (Pt 1), 215-22	3.9	26
8	The interplay of central and peripheral factors in limiting maximal O ₂ consumption in man after prolonged bed rest. <i>Journal of Physiology</i> , 1997 , 501 (Pt 3), 677-86	3.9	124
7	Lactate and epinephrine during exercise in altitude natives. <i>Journal of Applied Physiology</i> , 1996 , 81, 2488-94	3.9	7
6	Factors limiting maximal O ₂ consumption: effects of acute changes in ventilation. <i>Respiration Physiology</i> , 1995 , 99, 259-71		32
5	Kinetics of oxygen consumption during maximal exercise at different muscle temperatures. <i>Respiration Physiology</i> , 1995 , 102, 261-8		16
4	Energy cost and efficiency of riding aerodynamic bicycles. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1993 , 67, 144-9		55
3	Effects of muscle temperature on the VO ₂ kinetics at the onset of exercise in man. <i>Respiration Physiology</i> , 1992 , 88, 343-53		11
2	Energetics of resting anaerobic frog gastrocnemius at different temperatures by 31P-NMR. <i>Respiration Physiology</i> , 1990 , 82, 137-47		7
1	Factors limiting maximal oxygen consumption in humans. <i>Respiration Physiology</i> , 1990 , 80, 113-27		91